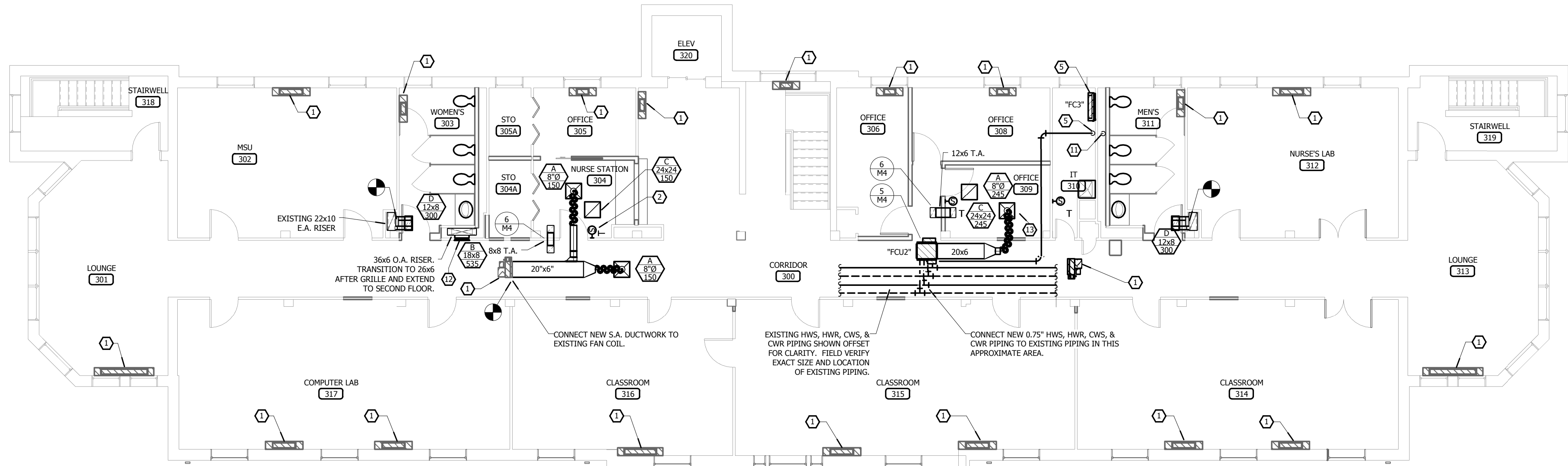
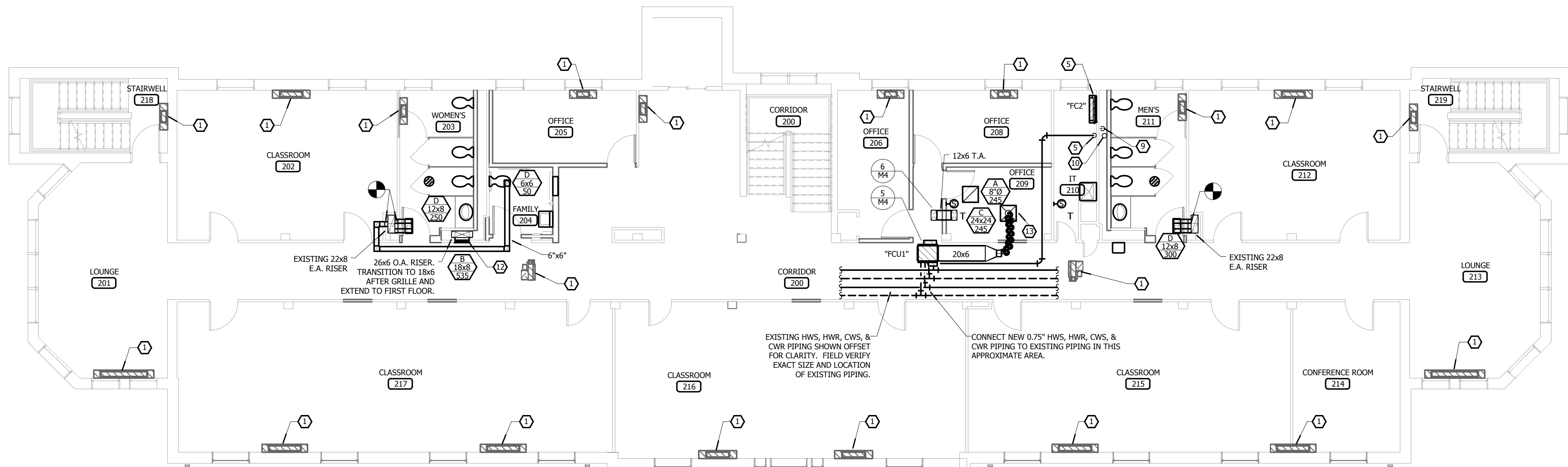
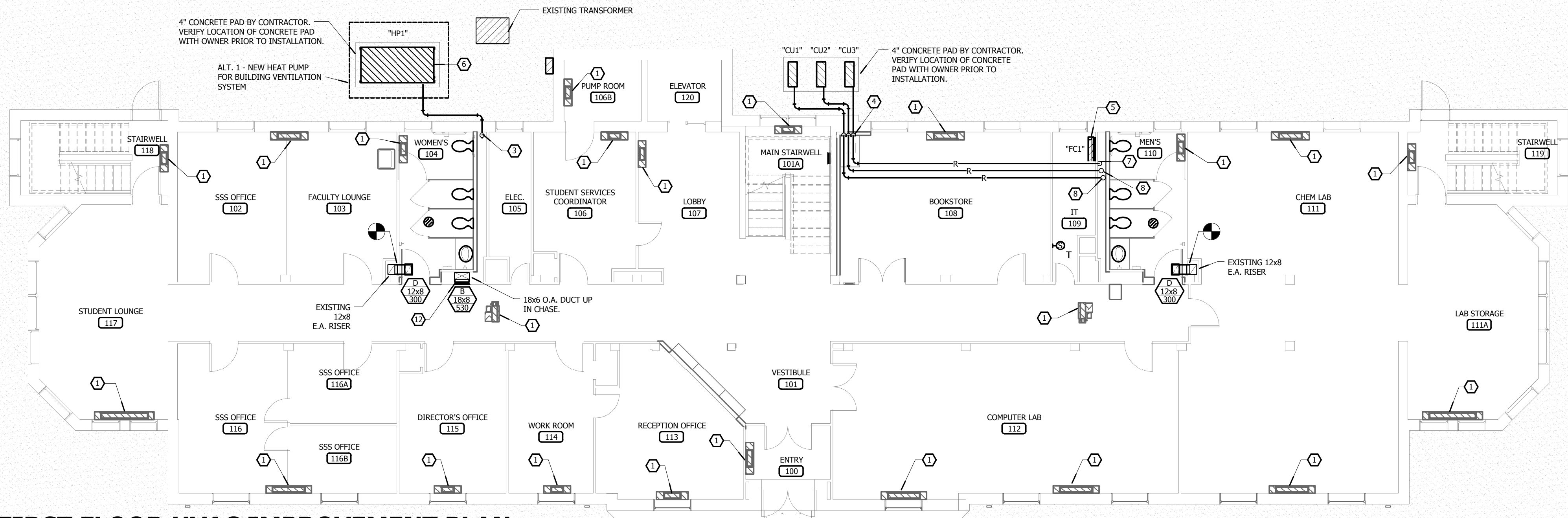




3
M3 **THIRD FLOOR HVAC IMPROVEMENT PLAN**
SCALE: 1/8" = 1'-0"



2
M3 **SECOND FLOOR HVAC IMPROVEMENT PLAN**
SCALE: 1/8" = 1'-0"



1
M3 **FIRST FLOOR HVAC IMPROVEMENT PLAN**
SCALE: 1/8" = 1'-0"

HEX NOTES:

- EXISTING FAN COIL UNIT.
- RELOCATE EXISTING THERMOSTAT FROM CORRIDOR TO NURSE STATION. EXTEND WIRING AS REQUIRED.
- EXTEND REFRIGERANT PIPING UP IN CHASE TO AIR HANDLING UNIT "AH1" IN ATTIC. REFERENCE 2/MEZ FOR CONTINUATION.
- REFRIGERANT PIPING UP IN FURRED OUT WALL INTO FIRST FLOOR PLENUM.
- ROUTE CONDENSATE DRAIN DOWN TO NEAREST FLOOR DRAIN AND TERMINATE WITH AIR-GAP.
- MAINTAIN ALL REQUIRED CLEARANCES BETWEEN EXISTING TRANSFORMER AND NEW HEAT PUMP EQUIPMENT. CONTRACTOR SHALL VERIFY REQUIRED CLEARANCES WITH UTILITY COMPANY.
- REFRIGERANT PIPING DOWN TO "FC1".
- REFRIGERANT PIPING UP IN CHASE.
- EXTEND REFRIGERANT PIPING TO "FC2" AND DOWN IN CHASE.
- REFRIGERANT PIPING UP AND DOWN IN CHASE.
- EXTEND REFRIGERANT PIPING TO "FC3" AND DOWN IN CHASE.
- MOUNT TOP OF GRILLE 6" BELOW CEILING.
- COORDINATE TO AVOID CONFLICTS WITH NEW LIGHTING FIXTURES, CONDUIT, ETC. AND CONFLICTS WITH EXISTING CONDITIONS.

GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
- CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS, MANUAL 150. ALL SUPPLY AIR DUCT PRESSURE CLASSES SHALL BE THE SAME AS THE EXTERNAL STATIC PRESSURE (ESP) OF THE EQUIPMENT SUPPLYING THE DUCT. THE EQUIPMENT ESP SHALL BE THE PRESSURE CLASS FOR THE ENTIRE SUPPLY DUCT SYSTEM.
- ALL METAL DUCTWORK SPECIFIED TO RECEIVE INTERIOR THERMAL AND ACOUSTICAL LINER IS NOT SIZED ON PLANS TO INCLUDE THE PROPER THICKNESS OF INSULATION. ADD 1" OR 2" IN HEIGHT AND WIDTH OF DUCTWORK TO ACCOMMODATE THICKNESS OF INSULATION.
- ALL RECTANGULAR DUCTWORK RUN WITHIN THE UNCONDITIONED ATTIC, CRAWLSPACE OR OTHER UNCONDITIONED SPACES SHALL HAVE 1" OF 2.0 LB. DUCT LINER PLUS 1.5" OF 1.0 LB. FIBERGLASS DUCT WRAP WITH FOIL-SCRIM-KRAFT FACING.
- BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
- PROVIDE TURNING VANES IN ALL ELBOWS.
- THERMOSTATS SHALL BE SUPPLIED BY THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT, BOXES, ETC. FOR THE INSTALLATION OF THERMOSTATS IN NEW WALLS. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND CONNECTION OF THERMOSTATS AND ALL WIRE.
- REBALANCE FANS TO NEW AIRFLOWS AS NOTED FOR EXHAUST SYSTEMS.
- EXISTING HVAC AND CONTROLS SHALL REMAIN UNLESS NOTED OTHERWISE.



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PROJECT DESCRIPTION:
CROWDER COLLEGE RENOVATIONS

PROJECT NUMBER:
15-272
DATE:
2/18/2016

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